TO ASCE PUBLICATIONS

Journals (Proceedings), 1970—1974 (Vols. 96–100) Transactions, 1970—1974 (Vols. 135–139) Civil Engineering, 1970—1974 (Vols. 40–44)

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INTRODUCTION

This 1970-1974 Cumulative Index to ASCE Publications is a Subject and Name Index to the following ASCE publications:

PROCEEDINGS.—The Proceedings of ASCE consist of Journals that are produced under the aegis of the Technical Divisions and the Department of Professional Activities. The Journals are published at different frequencies such as monthly, bimonthly, quarterly, and aperiodic.

CIVIL ENGINEERING.—The official publication of ASCE is its monthly magazine Civil Engineering—ASCE.

TRANSACTIONS.—In this index, Volumes 135 through 139 were published. Volumes 135 through 139 contained digests and abstracts of *Proceedings* papers and Civil Engineering articles that were published in full in the previous year. Digests are capsule presentations derived from the original papers, discussion, and closures.

MANUALS AND MISCELLANEOUS PUBLICATIONS.—Beginning with Volume 134, Transactions also contained digests of material that ASCE published as either a Manual or a Miscellaneous Publication. Thus these publications are also indexed, by reference to Transactions.

Subject Index

The Subject Index terms that are used to describe an article are based on the key words that the authors and editors selected when the paper was published. The key words are based on the Thesaurus of the Engineers Joint Council (1st and 2nd editions), Water Resources Thesaurus of the United States Department of the Interior, and the micro-thesaurus compiled by the Committee on Information Retrieval of the Soil Mechanics and Foundations Division of ASCE. Starting in 1963 ASCE included in its Journals and Civil Engineering, abstracts and key words of the papers and articles that it published; this was in support of the engineering profession's

desire to make its information readily available and retrievable. In addition beginning with 1971, Subject Indexes were included in Miscellaneous Publications, and were then transferred to the annual and cumulative indexes.

Name Index

The Name Index includes references to the authors, co-authors, discussers, co-discussers, and committee chairmen that prepared material that was published. In addition, the Name Index gives citations to the location of the memoir abstract of a deceased member. The Name Index also includes references to individuals, such as ASCE officers, who received significant awards or achieved special status.

The sequence of entries under an author's name in the Name Index is alphabetical for papers and articles of which he was the first-named author. These are followed by discussions of which he was the first-named discusser. The papers and discussions of which he was a co-author are then listed, followed by a reference to the memoir abstract if he passed away during the period covered by the index.

Discussions and Closures

The Name Index can also be used to trace discussions and closures that apply to a particular paper. That is, under the first-named author of a paper, reference will be found to discussions, letters, corrections, and closures that were published following the appearance of the paper or article.

Notation

The notation used in this publication can be explained as follows:

HY5:May 74:621:10549 indicates that the paper was published in the fifth issue of the 1974 *Journal of the Hydraulics Division*; the issue was published in May, 1974. The article appears on page 621 and a copy of the paper can be obtained by requesting Proceedings Paper 10549.

TR:138:604 shows that the Digest appeared in Volume 138 of Transactions on page 604.

CE:Mar 73:62 shows that the article appeared in the March 1973 issue of *Civil Engineering* on page 62.

Typical abbreviations used herein are Dsc for discussion, Clo for closure, Rpt for report, Corr for corrections, Err for errata, and Chmn for Chairman of a committee submitting a report.

Items indexed from ASCE Miscellaneous Publications have the following symbols in the references:

- ABS—Conference on Application of Behavioral Sciences to Environmental Design, May 18-20, 1970
- 2. AKATS-Airports-Key to the Air Transportation System, April 14-16, 1971

- 3. ASC73-Airports-Challenges of the Future, March 7-9, 1973
- BDACE—A Biographical Dictionary of American Civil Engineers, ASCE Historical Publication No. 2, 1972
- BMS—Analytical Treatment of Problems of Berthing and Mooring Ships, July 19-30, 1965
- 6. BP73-Bicycle/Pedestrian Planning and Design
- 7. CEE-Civil Engineering Education, 1974
- CEO-II-Civil Engineering in the Oceans II, December 10-12, 1969 in Miami Beach, Florida
- 9. CEWAU-Civil Engineering in the World Around Us, 1974
- 10. CE13-Thirteenth Coastal Engineering Conference, 1972
- CPB—City Planning Bibliography-A Basic Bibliography of Sources and Trends, 1972
- 12. CRTB-Current Research on Tall Buildings, 1972
- 13. CUWI-Consumptive Use of Water and Irrigation Water Requirements, 1974
- 14. CWFE-Clean Water for Our Future Environment, March 21-24, 1971
- 15. ECCD-Economical Construction of Concrete Dams, 1972
- EC5-Fifth Conference on Electronic Computation, August 31 to September 2, 1970 at Purdue University, Lafayette, Ind.
- 17. EFFD-Foundations for Dams, Engineering Foundation Conference, 1974
- EFSE—Subsurface Exploration for Heavy Construction, Engineering Foundation Conference, 1974
- EHRA—The Economics of High-Rise Apartment Buildings of Alternate Design Configuration, by Richard D. Steyert, 1972
- 20. EPCE-Electric Power and the Civil Engineer, 1974
- EPMT-Effective Project Management Techniques, Symposium, San Francisco, Calif., 1973
- 22. DRS-A Study of Damage to A Residential Structure from Blast Vibrations, 1974
- 23. GT74-Analysis and Design in Geotechnical Engineering, June 1974
- 24. HYB-Hydraulic Engineering and the Environment, 21st Annual Hydraulics Division Specialty Conference, August 15-17, 1973
- 25. IAWM-Interdisciplinary Aspects of Watershed Management, August 3-6, 1970
- 26. IMROD-Inspection, Maintenance, and Rehabilitation of Old Dams
- 27. IRS-Age of Changing Priorities for Land and Water, 1972
- IR73—Agricultural and Urban Considerations in Irrigation and Drainage, August 22-24, 1973
- ISSF-International Symposium on Stratified Flow, Novosibirsk, USSR, August 1972

- 30. LS-Lateral Stresses in the Ground and Design of Earth-Retaining Structures, June 22-24, 1970 at Cornell University, Ithaca, New York
- 31. MTI-Man/Transportation Interface, Specialty Conference, May 31-June 2, 1972
- 32. NA-New Approaches to Urban Transportation Needs, March 30-31, 1971
- 33. NSCD-National Specialty Conference on Disinfection, July 8-10, 1970
- 34. OIDS-Optimization of Irrigation and Drainage Systems, October 6-8, 1971
- 35. PES-Performance of Earth and Earth-Supported Structures, June 11-14, 1972
- PISST-Placement and Improvement of Soil to Support Structures, August 26-28, 1968
- 37. PITO-Final Report of the Task Committee on Pipelines in the Ocean, 1974
- 38. PWS-Public Works and Society
- RCCD—Rapid Construction of Concrete Dams, March 1-5, 1970 at Pacific Grove, California
- RM13-Stability of Rock Slopes-Proceedings of 13th Symposium on Rock Mechanics, August 30-Sept. 1, 1971
- RM14—New Horizons in Rock Mechanics-Proceedings of the 14th Symposium on Rock Mechanics, June 11-14, 1972
- RNCE—Research Needs in Civil Engineering Relevant to the Goals of Society, 1971
- SDNPF-Specialty Conference-Structural Design of Nuclear Plant Facilities, Chicago, Ill., 1973
- 44. SEA—Social and Ecological Aspects of Irrigation and Drainage, November 4-6, 1970 in Miami Beach, Florida
- SRMS-Specialty Conference on the Safety and Reliability of Metal Structures, November 2-3, 1972
- 46. STF-Structural Failures: Modes, Causes, Responsibilities, April, 1972
- 47. SUSS—Use of Shotcrete for Underground Structural Support, July 16-20, 1973, Engineering Foundation Conference
- TB—Proceedings of the International Conference on Planning and Design of Tall Buildings, August 21-26, 1972

The reference of the Proceedings of the International Conference on Planning and Design of Tall Buildings, TB:73:C-AC14-113 is deciphered in the following way. The first two letters indicate the publication, while the next two figures show the year of publication. The following letter or number shows the volume of the publication, while the next letters and numerals show the Technical Committee. When the letter is P it means that the item is a project description in Volume C; the letters AC in Volume C show that it is an Advisory Committee; DM indicates Miscellaneous Discussion in Volume C; the last numerals show the page number on which the indexed item begins.

- 49. UNSANS-The Use of Underground Space to Achieve National Goals, 1972
- 50. UPC-Uncased Pipeline Crossings of Railroads and Highways, 1971
- 51. URC-Symposium on Underground Rock Chambers, January 13-14, 1971
- 52. UTI-Urban Transportation Innovation, July 1970
- 53. UT73-Environmental Impact, Specialty Conference of UT Div., 1973
- 54. UWRM-Urban Water Resources Management, July 27-31, 1970
- 55. WAVES—International Symposium on Ocean Wave Measurement and Analysis, 1974
- 56. 4PCSM—Fourth Panamerican Conference on Soil Mechanics and Foundation Engineering, June 1971
- 57. 12CEC-Twelfth Coastal Engineering Conference, September 13-18, 1970

The journals are identified by the following symbols:

- CO Construction
- EE Environmental Engineering
- El Engineering Issues-Journal of Professional Activities
- EM Engineering Mechanics
- GT Geotechnical Engineering
- HY Hydraulics
- IR Irrigation and Drainage
- PO Power
- PP Professional Activities*
- SA Sanitary Engineering**
- SM Soil Mechanics and Foundations***
- ST Structural
- SU Surveying and Mapping
- TE Transportation Engineering (includes Highway, Pipeline, Air Transport,
 - Urban Transportation)
- UP Urban Planning and Development
- WW Waterways, Harbors and Coastal Engineering

Papers and Articles Indexed

The following table indicates the number of papers and articles published in *Proceedings, Transactions, Miscellaneous Publications* and *Civil Engineering* during 1970-1974.

^{*}Renamed Engineering Issues-Journal of Professional Activities in October, 1971.

^{**}Renamed Environmental Engineering in February, 1973.

^{***}Renamed Geotechnical Engineering in January, 1974.

Year	1970	1971	1972	1973	1974
Number of Proceedings Papers	794	833	861	790	785
Number of Civil Engineering articles	122	114	131	115	106
ASCE Transactions papers/digests	780	990	980	850	1094
Miscellaneous Publications	166	357	479	736	679

Obtaining Papers and Articles

If a reader finds an article of interest, he should be able to locate a copy of the appropriate issue of the *Journal, Civil Engineering*, or *Transactions* in his own, or his employer's, library. If the article cannot be found, a search can be conducted at a local public or university library. Failing this, he can contact

American Society of Civil Engineers 345 East 47th Street New York, N.Y. 10017

or

Engineering Societies Library 345 East 47th Street New York, N.Y. 10017

In addition,

University Microfilms 300 North Zeeb Road Ann Arbor, Mich. 48106

has copies of all ASCE publications available in microfilm.

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Discontinuous Composite Wave Absorber Studies, Anthony R. Fallon, CE13:72:III-1903

Field Quality Control Test for Wetting Brick in Masonry Construction, James T. Houston and Clayford T. Grimm, COL:July 73:5:9839 Site Evaluation and Design of Seepage Fields, Kent A. Healy and Rein Laak, EB5:Oct 74:1133:10882

Water and Sewage Sludge Absorption by Solid Waste, Ralph Stone and Richard L. Kahle, SA5:Oct 72:731:9250

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Information Sources on Water Quality, Including Thermal Pollution, Fred A. Limpert, Chmn., SA3: June 72:569:8987

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